

PANEL CP-75W 240/120 V, 1Ø 3WIRE 100 AMP MAINS, 100A MCB, GND BUS MINIMUM INTERRUPTING RATING 22KA									
SERVICE	TRIP	CKT	100	100	CKT	TRIP	SERVICE	TRIP	CKT
DP-5 LINE UP 1, 3, CB-B1 & L-3	15	1			2	15	DP-5 LINE UP 2 & 4	15	3
FUTURE (SUPPLY, COMPUT. OUTLET)	15	3			4	15	SPARE	15	5
SPARE	15	5			6	15	SPARE	15	7
N1, T1-3, BUS 1	60	7			8	60	N2, T1-2, BUS 2	60	9
SWITCHGEAR SECTIONS					10	60	SWITCHGEAR SECTIONS		11
N3, T3-4, BUS 3	60	9			12	60	N4, T2-4, BUS 4	60	13
SWITCHGEAR SECTIONS					14	60	SWITCHGEAR SECTIONS		15
G & T HOUSING	30	11			16	60	BUS EL SWITCHGEAR SECTION		17
HV-B1	30	13			18	60	HV-B2		19
SWITCHGEAR SECTION					20	30	SWITCHGEAR SECTION		21
HV-B3	30	15			22	30	HV-B4		23
SWITCHGEAR SECTION					24	30	SWITCHGEAR SECTION		25
SPARE	60	17					SPARE		
SPARE	30	19					SPARE		
SPARE	30	21					SPARE		
SPARE	30	23					SPARE		

PANEL LV-75W 208/120 V, 3Ø 4WIRE 225 AMP MAINS, 125A MCB, GND BUS									
KVA	SERVICE	TRIP	CKT	225	225	CKT	TRIP	SERVICE	KVA
.8	SUB#75W-RECEPTS	15	1		2	15	SUB#75W-RECEPTS	.8	
.8	SS-75W SECT 1 SP HTS	20	3		4	15	A/C UNITS RM. RECEPT.	.8	
1.0	SS-75W SECT 2 SP HTS	20	5		6	15	A/C UNITS INTERIOR LGT	1.2	
.8	SS-75W SECT 3 SP HTS	20	7		8	15	SPARE		
.8	SS-75W SECT 4 SP HTS	20	9		10	15	SPARE		
	SPARE	15	11		12	15	SPARE		
	SPARE	15	13		14	15	SPARE		
	SPARE	15	15		16	15	SPARE		
	SPARE	20	17		18	20	SPARE		
	SPARE	20	19		20	20	SPARE		
	SPACE						SPACE		

PANEL DP-75W 480/277 V, 3Ø 4WIRE 800AMP MAINS, GND BUS 65,000 A.I.C									
KVA	SERVICE	TRIP	CKT		CKT	TRIP	SERVICE	KVA	
1.80	SUBSTA SS-75W LTG	20	1		2	20	SPARE		
1.80	SUBSTA SS-75E LTG	20	3		4	20	SPARE		
	SPARE	20	5		6	20	76th FL LIGHTING	.90	
	SPARE	70	7		8	15	FP-75-1-1 FEEDER	4.0	
30	SUBSTATION SS-75W 30KVA TRANSFORMER PRIMARY FEEDER	45	9		10	200	FEEDER TO EXIST. PANEL LP-75W		
6.3	E-75-21 FEEDER	20	11		12	35	ACS-75W FEEDER	11.6	
	SPARE	30	13		14	400	ACS-75-4 FEEDER	129.4	
	SPACE						SPACE		

SUBSTATION SS-75W

PANEL CP-75E 240/120 V, 1Ø 3WIRE 100 AMP MAINS, 100A MCB, GND BUS MINIMUM INTERRUPTING RATING 22KA									
SERVICE	TRIP	CKT	100	100	CKT	TRIP	SERVICE	TRIP	CKT
DP-5 LINE UP 1, 3, CB-B1 & L-3	15	1			2	15	DP-5 LINE UP 2 & 4	15	3
FUTURE (SUPPLY, COMPUT. OUTLET)	15	3			4	15	SPARE	15	5
SPARE	15	5			6	15	SPARE	15	7
N1, T1-3, BUS 1	60	7			8	60	N2, T1-2, BUS 2	60	9
SWITCHGEAR SECTIONS					10	60	SWITCHGEAR SECTIONS		11
N3, T3-4, BUS 3	60	9			12	60	N4, T2-4, BUS 4	60	13
SWITCHGEAR SECTIONS					14	60	SWITCHGEAR SECTIONS		15
G & T HOUSING	30	11			16	60	BUS EL SWITCHGEAR SECTION		17
HV-B1	30	13			18	60	HV-B2		19
SWITCHGEAR SECTION					20	30	SWITCHGEAR SECTION		21
HV-B3	30	15			22	30	HV-B4		23
SWITCHGEAR SECTION					24	30	SWITCHGEAR SECTION		25
SPARE	60	17					SPARE		
SPARE	30	19					SPARE		
SPARE	30	21					SPARE		
SPARE	30	23					SPARE		

PANEL LV-75E 208/120 V, 3Ø 4WIRE 225 AMP MAINS, 125A MCB, GND BUS									
KVA	SERVICE	TRIP	CKT	225	225	CKT	TRIP	SERVICE	KVA
.8	SUB#75E-RECEPTS	15	1		2	15	SUB#75E-RECEPTS	.8	
.8	SS-75E SECT 1 SP HTS	20	3		4	15	A/C UNITS RM. RECEPT.	.8	
1.0	SS-75E SECT 2 SP HTS	20	5		6	15	A/C UNITS INTERIOR LGT	1.2	
.8	SS-75E SECT 3 SP HTS	20	7		8	15	SPARE		
.8	SS-75E SECT 4 SP HTS	20	9		10	15	SPARE		
	SPARE	15	11		12	15	SPARE		
	SPARE	15	13		14	15	SPARE		
	SPARE	15	15		16	15	SPARE		
	SPARE	20	17		18	20	SPARE		
	SPARE	20	19		20	20	SPARE		
	SPACE						SPACE		

PANEL DP-75E 480/277 V, 3Ø 4WIRE 800AMP MAINS, GND BUS 65,000 A.I.C									
KVA	SERVICE	TRIP	CKT		CKT	TRIP	SERVICE	KVA	
1.80	SUBSTA SS-75E LTG	20	1		2	20	SPARE		
1.80	SUBSTA SS-75W LTG	20	3		4	20	SPARE		
	SPARE	20	5		6	20	76th FL LIGHTING	.90	
	SPARE	70	7		8	15	FP-75-1-2 FEEDER	4.0	
30	SUBSTATION SS-75E 30KVA TRANSFORMER PRIMARY FEEDER	45	9		10	200	FEEDER TO EXIST. PANEL LP-75E		
6.3	E-75-22 FEEDER	20	11		12	35	ACS-75E FEEDER	11.6	
	SPARE	30	13		14	450	ACS-75-2 FEEDER	149.4	
	SPACE						SPACE		

SUBSTATION SS-75E

NOTE

- FOR LEGEND SEE DRAWING #E-1.
- FOR GENERAL NOTES, ABBREVIATIONS AND LIGHTING FIXTURE SCHEDULE SEE DRAWING #E-2.

PANEL E-75B 208/120 V, 3Ø, 4WIRE 400A MAINS, GND BUS									
KVA	SERVICE	TRIP	CKT	400	400	CKT	TRIP	SERVICE	KVA
	SPARE	20	1		2	20	SPARE		
	CONTROL POWER-UPS, SUBSTATION SS-75E	110	3		4	110	CONTROL POWER-UPS, SUBSTATION SS-75W		
	PANEL AT SETBACK DOOR - SW CORNER	200	5		6	200	PANEL AT SETBACK DOOR - NE CORNER		
	CONTROL POWER- UPS-SS-75WBE (TR/UPS-75B)	100	7				SPACE		
	SPACE								

75th FL. EMERG. TRANSF. RM.

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS CONSTITUTING A PART OF CONTRACT NO. WTC-802.071 IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.

DATE 6/21/95 *Saidman A. Aslam* SPEC. WRITER
DATE 8/15/95 *Edna K. Jerny* ENGINEER OF DESIGN

Sheet 188 of 224

THE PORT AUTHORITY
OF NY & NJ

Edna K. Jerny
ENGINEERING PROGRAM MANAGER
WORLD TRADE CENTER
Saidman A. Aslam
CHIEF ELECTRICAL ENGINEER

Engineering Department
Design Divisions

The World Trade
Center
Electrical/HVAC
Upgrade Program

Title
TOWER ONE AND TWO
LOW VOLTAGE
SUBSTATIONS
CONSTRUCTION AND
INSTALLATION

ELECTRICAL
PANEL SCHEDULES
TOWER TWO
SS-75W & SS-75E

No.	Date	Revision	Approved
1	6/21/95	1	<i>Saidman A. Aslam</i>
2	8/15/95	1	<i>Edna K. Jerny</i>

This drawing subject to conditions in contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

ROYZMAN FISCHER ROYZMAN A.S.
Designed by Drawn by Checked by

Date 5-1-95 Scale NONE
Contract Number WTC 802.071 Drawing Number E-102